

Six Monthly Compliance Report of Environmental Clearance

NEHARIYA UNDERGROUND MINE

[0.54 MTPA in Area of 300.00 HA]

EC No.: J-11015/35/2001-IA.II(M), Date-28.03.2017



Western Coalfields Limited
Pench Area

Po: Parasia, Chhindwara (MP)- 480441

PERIOD: 01.10.2022 to 31.03.2023

EC Compliance Report

Letter No. J-11015/35/200/35/2001-I A II (M) date: 15.11.2002. Enhanced capacity 0.54 MTPA vide letter No. J-11015/35/2001-IA.II(M) pt file dated 28.03.2017

Sr.No	CONDITIONS	COMPLIANCE
A.	Specific Conditions	
(i)	The maximum production from the mine at any given time shall not exceed the limit as prescribed in the EC.	Noted.
(ii)	The validity of the EC is for the life of the Mine or as specified in the EIA notification, 2006, whichever is earlier.	Noted.
(iii)	The project proponent shall obtain Consent to Establish from State Pollution Control Board for the proposed capacity of 0.54 MTPA prior to commencement of the increased production.	Obtained vide CTE-46787 dated: 14.03.2017
(iv)	A progressive afforestation plan shall be implemented covering an area of (9 ha) at the end of mining which includes Green Belt (2 ha) and in township located outside the lease by planting native species in consultation with the local DFO/Agriculture department. The density of the trees shall be around 2500 plants per ha. Massive plantation shall be carried out in open spaces in and around the mine and a 3-tier avenue plantation along the main approach roads to the mines.	5500 Plantation done. At the end of the mine, plantation in 9 ha will be achieved.
B.	General Conditions	
(a)	Mining	
(i)	No change in mining technology and scope of work shall be made without prior approval of the Ministry of Environment, Forest and Climate Change. No change in the calendar plan including excavation, quantum of coal and waste should be made.	Noted.
(ii)	Mining shall be carried out as per the approved mining plan, and also abiding by the relevant laws related to coal mining and the circulars issued by Directorate General Mines Safety (DGMS). An approved progressive Mine Closure Plan shall strictly be complied with and submitted.	Mining is carried out as per approved mining plan. All statutory permissions have been obtained by DGMS and condition of permission is strictly complied. Mine closure plan is approved.
(b)	Land Reclamation	
(i)	Digital processing of the entire lease area	Not Applicable as it is u/g mine.

	using remote sensing technique shall be carried out regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment, Forest and Climate Change its Regional Office.	
(ii)	Final mine void depth should not be more than 40m. The void area should be converted into water body. The remaining area should be back filled up to ground level and converted with thick top soil. The land after mining should be restored for agriculture or forestry purpose.	Not Applicable as it is u/g mine.
(iii)	The top soil, if any, shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The top soil shall be used for land reclamation and plantation. The overburden dumps should be vegetated with suitable native species to prevent erosion and surface run off. The entire excavated area shall be backfilled and afforested in line with the approved Mine Closure Plan. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliances status shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office on six monthly basis.	Not Applicable as it is u/g mine.
(iv)	Greenbelt shall be developed all along the mine lease area in a phased manner. The width of green belt along forest area should not be less than 7.5m, and a total area covered by 3 tier green belt shall not be less than 100 ha. A 3-tier green belt comprising of a mix of native species shall be developed all along the major approach roads.	5500 plantation has been done till date. Since it is underground mine having only 14 ha of all right area, hence the condition is not applicable.
(c)	Emissions, Effluents and Waste Disposal	
(i)	Transportation of coal by road should be carried out by covered trucks only. Effective measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM10 and PM2.5 such as haul road, loading and unloading point and transfer points. Fugitive dust emissions from all the sources shall be controlled regularly. It shall be ensured that the	Transportation of coal by road is done by covering the loaded coal by tarpaulin. Regular water sprinkling is done on the haul road, loading/unloading and transfer points. Ambient Air Quality Parameters are within the prescribed limit.

	Ambient Air Quality parameters conform to the norms prescribed by the Central/State Pollution Control Board in this regard.	
(ii)	Vehicular emission shall be kept under control and regularly monitored. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centers.	This is underground mine and there is no plying of HEMM. The trucks, light vehicles have valid PUC certificate.
(iii)	Adequate ambient air quality monitoring stations shall be established in the core zone as well as buffer zone for monitoring pollutants, namely PM10, PM2.5, SO2 and NOx. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with State Pollution Control Board. Monitoring of heavy metals such as Hg, As, Ni, Cd, Cr, etc carried out at least once in six months.	Four air monitoring stations have been fixed in consultation with regional office, MPPCB. Air monitoring is done by CMPDIL every fortnight. Heavy metal monitoring is done every six months.
(iv)	Crusher/feeder and breaker material transfer points should invariably be provided with dust suppression system. Belt-conveyors should be fully covered to avoid air borne dust. Drills shall be wet operated or fitted with dust extractors.	There is no crusher/feeder breaker at the mine. There is small CHP for loading of coal into trucks. Water sprinkling arrangement is maintained at coal transfer points. It is underground mine so condition of wet operated drill is not applicable.
(v)	The project proponent shall not alter the major channels around the site. Appropriate embankment should be provided along the side of the river/nallah flowing near or adjacent to the mine. The embankment constructed along the river/nallah boundary should be of suitable dimensions and critical patches should be strengthened by stone pitching on the river front side and stabilised with plantation so as to withstand the peak water flow and prevent mine inundation.	Not applicable. There is no river/nalla nearby the mine.
(vi)	Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources in the area in consultation with Central Ground Water Board.	Rain water harvesting is established by taking SAM and Manager office building.
(vii)	Catch drain and siltation ponds of appropriate size shall be constructed around the mine working, coal heaps and OB dumps to prevent run off of water and flow of sediments directly into the river	Not applicable as it is an u/g mine.

	and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. Sump capacity should provide adequate retention period to allow proper settling of silt material. Dimension of the retaining wall to be constructed at the toe of the dumps and OB benches within the mine to check run-off and siltation should be based on the rainfall data.	
(viii)	Industrial waste water (CHP, workshop and waste water from mine) should be properly collected and treated so as to conform to the standards prescribed under the Environment (Protection) Act, 1986 and the rules made there under, and as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluent.	There is no any industrial waste water except mine water discharge. This is treated at the surface and reused for internal purposes like dust suppression, green belt, fire fighting etc.
(d)	Noise & Vibration Control	
(i)	Adequate measures shall be taken for control of Noise levels below 85dBA in the work environment. Workers engaged in drilling and blasting operations, operation of HEMM, etc shall be provided with ear plugs/muffs.	It is an underground mine and as such there is no such noise generation. However, the operators of main mine ventilation have been provided with ear muffs.
(ii)	Controlled blasting techniques should be practiced with use of delay detonators to mitigate ground vibrations and fly rocks.	Not applicable as it is an u/g mine.
(e)	Occupational Health & Safety	
(i)	Besides carrying out regular periodic health check-up of their workers, 20% of the workers identified from workforce engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, through an specialized agency/institution within District/State and the results reported to this Ministry and to DGMS.	20% of all workers (irrespective of active mining operation or elsewhere) go for health check up every year for occupational diseases and hearing impairment. This is done in company hospital by qualified medical practioners. Report is also submitted.
(ii)	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Supervisory shall be held responsible for ensuring compulsory wearing of dust mask.	All such personnel are provided dust mask. They are given refresher training every years.

(iii)	In case of outsourcing of work through MOD, the project proponent shall ensure the strict enforcement of the above conditions.	There is no such outsourcing.
(f)	Biodiversity	
(i)	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna, if any, spotted in the study. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. A copy of action plan shall be submitted to the ministry of Environment, Forest and Climate Change and its Regional Office.	It is an underground mine and there is no disturbance on the surface. However, the condition is noted.
(g)	Implementation of Action Plan as per Public Hearing and CSR Activities	
(i)	Implementation of Action Plan on the issues raised in Public Hearing shall be ensured. The Project Proponent shall complete all the tasks as per the action plan submitted with budgetary provisions during the Public Hearing. Land oustees should be compensated as per the norms laid out R&R Policy of the Company or the National R&R Policy or R&R Policy of the State Government, whichever is higher.	It is underground mine and very less area is acquired with surface right. Land oustees have been compensated as per the norms laid out by R&R Policy of the company, which is better than any other policy.
(ii)	The Board of every company, shall ensure that the company spends, in every financial year, at least two per cent of the average net profits of the company made during three immediately preceding financial years, in pursuance of its Corporate Social Responsibility Policy under section 135 of the Companies Act, 2013, for the socio economic development of the neighbourhood.	It is implemented.
(h)	Corporate Environment Responsibility	
(i)	The company should have a well laid down Environment Policy approved by the Board of Directors.	Mine closure plan is approved by the board of Directors.
(ii)	To have proper checks and balances, the company should have a well laid down system of reporting of non-compliances/violations of environmental norms to the Boards of Directors of the Company and/or shareholders or stakeholders at large.	There is proper check & balance system established in the company. Non – Compliance /Violations related to environment is reported to the General Manager (Env) of the company who in turn put it to the director of the company.
(iii)	A separate environment management cell	At company level, the General Manger

	with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	(Env) directly reports to the head of the organization. GM (Env) is assisted by a team of multi-disciplinary engineers. At area, the department is headed by Area Nodal Officer (Env) who is assisted by Civil department. At mine level, civil engineer is the nodal officer of Environment dept.
(iv)	The funds earmarked for environmental protection measures should not be diverted for other purposes. Year wise expenditure should be reported to the Ministry and its Regional Office.	It is complied. Expenditure is shown in the six monthly environmental report which is submitted to the ministry and its Regional Office, Bhopal.
(i)	Statutory Obligations	
(i)	Environment clearances is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble NGT and any other court of law, if any, as may be applicable to the project.	Noted.
(ii)	This Environmental Clearance is subjected to obtaining requisite NBWL clearance from the standing committee of National Board for Wildlife, if any, as applicable to the project.	Not Applicable. There is no wildlife involvement.
(iii)	The project proponent shall obtain Consent to Establish and Consent to Operate from the concerned State Pollution Control Board prior to increase in capacity of washery and effectively implement all the conditions stipulated therein.	Consent to Established and Consent to Operate have been obtained from MPPCB, Bhopal vide no. CTE-46787 dated 14.03.2017 and no. AW-47072 dated 11.06.2017
(iv)	Project proponent shall obtain the necessary prior permission from the Central Ground Water Authority (CGWA) for drawl of water (surface and ground water).	Noted.
(j)	Monitoring of Project	
(i)	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to Ministry of Environment, Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Central	It is carried out by CMPDIL. The data is sent to the Ministry of Environment, Forest and Climate Change and to its Regional Office, Central Ground Water Authority and its Regional Office. Last report submitted on 18.04.2018

	Ground Water Board.	
(ii)	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest and Climate Change, its Regional Office, Central Pollution Control Board and State Pollution Control Board.	It is submitted regularly in the form of six monthly report.
(iii)	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	Noted. Full cooperation is provided to the officers of the Regional Office.
(iv)	The activities pertaining to development of green belt/horticulture shall be reported to concerned Regional Office of MoEF&CC on six monthly basis from the date of commencement of mining operations.	The plantation figure is shown in the six monthly environment report which is submitted to the regional office of the ministry.
(v)	For half yearly monitoring reports, the data should be monitored for the period April to September and October to March of the financial years and submitted to the concerned authorities within 2 months of the completion of periodicity of monitoring.	Strictly adhered to.
(k)	Miscellaneous	
(i)	A copy of clearance letter will be marked to concerned Panchayat/local NGO, if any, from whom suggestion/representation has been received while processing proposal.	Copy to EC expansion was marked to local Panchayat.
(ii)	An electronic copy of the EC letter shall be marked to the concerned State Pollution Control Board, Regional Office, District Industry Sector and Collector's office/Tehsildar office for information in public domain within 30 days.	Complied.
(iii)	The EC letter shall be uploaded on the company's website. The compliances status of the stipulated EC conditions shall also be uploaded by the project authorities on their website and updated at least once every six months so as to bring the same in the public domain. The monitoring data of environmental quality parameter (air, water, noise & soil) and critical pollutant such as PM10, PM2.5, SO2 and NOx (ambient) and critical sectoral parameters	The EC has been uploaded on company website. Compliance of EC is also uploaded every six months on the website. Monitoring data too is uploaded.

	shall also be displayed at the entrance of the project premises and mine office and in corporate office and on company's website.	
(iv)	The project authorities should advertise at least two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of clearance letter is available with the State Pollution Control Board and also at the website of the Ministry of Environment, Forest and Climate Change at www.environmentclearance.nic.in and a copy of the same should be forwarded to the Regional Office.	Advertisement published in – Divya Express, Chhindwara (Hindi) on 02.04.2017, and Dainik Bhaskar, Chhindwara (Hindi) on 02.04.2017.
(v)	The Environmental Statement for each financial year ending 31 March in Form-V is mandated to be submitted by the project proponent for the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be uploaded on the Company's website along with the status of compliance of EC conditions and shall be sent to the respective Regional Offices of the MoEF&CC by e-mail.	Complied.